

# Russell Rydin

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## PROFILE

- Dedicated academic professional looking to excel in a product design, R&D, or project management capacity
- More than three years of experience working in cardiovascular medical devices
- Strong leader, team player, Eagle Scout, fluent in written and conversational Spanish; excellent motivational skills, with experience in project management, public speaking, classroom instruction, and coaching

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## EXPERIENCE

### **Edwards Lifesciences, Draper, UT**

#### ***R&D Engineer I, August 2011 - Present***

- Project lead on intravascular catheter tip re-design project
  - Coordinated project activities of R&D, Quality, Manufacturing, and Compliance/Regulatory business units along 3 separate parallel activity paths during design phase
  - Responsibilities included leading meetings, project status updates to leadership, writing/executing build and test protocols/reports, updating DHF, routers, manufacturing procedures, and BOMs
  - Project scope included MBC submission, regulatory submission, design/packaging verification, IFU changes, and shelf life modification
  - Met or exceeded all project deadlines
- Current role as lead engineer in execution of supplier equipment validations, including Test Method/Software Validations and IQ/OQs of automated vision inspection system, force tester, and CNC laser welder
- Additional sustaining engineering roles include writing FDA response technical summaries and RCA studies
- Asset Technical Expert (ATE) role for R&D laboratory and test equipment
- AORN and Mini-Tab certifications, proficient in SolidWorks, analytical model design, Six Sigma methodology

#### ***R & D Engineer Technician, June 2010 – August 2011***

- Responsibilities included leading execution of product testing – Real time/Accelerated Aging Design Verification, designing and building of testing fixturing, basic prototyping, test method development and flow, equipment acquisition/installation/testing protocols, statistical analysis of testing data, ISO 594-1&2 and ISO 10555 testing.

### **Canyons School District, Midvale, UT**

#### ***High School Physics Teacher and Football Coach, Hillcrest High School, August 2006 - June 2010***

- Teacher of General, Honors, Advanced Placement (AP), and International Baccalaureate Standard and Higher Level Physics; International Baccalaureate Teaching Certificate (2007), Quantum Learning Certificate, NSF Engineering Grant Program (2008-2009), Sophomore Football Coach (2006-2007)

## EDUCATION

- M.S. Engineering Degree, December, 2012; University of Wisconsin, Platteville (Distance Learning)
  - Emphasis in Product Design and Development and Project Management; GPA 4.0/4.0
- Pre-M.S. Engineering Coursework, June 2009 - June 2011; University of Utah, Salt Lake City, UT
  - Statics, Dynamics I & II, Matlab/C Programming, Thermodynamics, Electrical Engineering, Manufacturing w/ Lab, Mechatronics, Num. Methods, Fluid Dynamics, Heat Transfer, PDE's
- Bachelor of Science, May 2006; University of Utah, Salt Lake City, UT
  - Major: Physics with Secondary Education Teaching emphasis; GPA: 3.7/4.0

## SOFTWARE PROFICIENCY

- Microsoft Office Suite, Project, Dreamweaver, Visio, Photoshop
- MATLAB, Mini-Tab, Tracer DAQ Pro, SolidWorks

## EQUIPMENT PROFICIENCY

- Flash Smartscope, Instron (Bluehill 2 & 3 software), Zaxis & Sprint Testers, Mark-10 ISO Torque Tester, Keyence Laser Micrometer, HBLT, transducers with DAQ controller

## REFERENCES

Nathan Arnim – R&D Engineer, Manager (801) 565-6216 Rob Mullins - Hillcrest HS Dept. Head (801)635-4570  
Amanda Larsen – Quality Engineer (coworker) (801) 565-6116 Ryan Moehle – R&D Engineer (coworker) (801)565-6296